## Final Exam

## CMSY-217, Spring 2014

Circle the letter of the best response for each item.

1.	The 1	Thread class is in the package.
	(a)	java.lang
	(b)	java.util.concurrent
	(c)	java.util.concurrent.atomic
	(d)	java.util.concurrent.locks
2.	A Jav	va thread begins its lifecycle by transitioning to the state.
	(a)	runnable
	(b)	waiting
	(c)	terminated
	(d)	new
3.		ltithreaded application can be created in Java by extending the Thread class or menting the interface.
	(a)	Concurrent
	(b)	Runner
	(c)	Runnable
	(d)	None of the above
4.		ler to cause the run method of a Thread or Runnable object to begin executing nakes a call to its method.
	(a)	begin
	(b)	processTask
	(c)	start
	(d)	None of the above
5.		hread is currently executing a block or method, other threads are ed from executing the same code.
	(a)	synchronized
	(b)	shared
	(c)	thread
	(d)	writeable

6.		using Java's built-in monitors, every object has a or that onitor ensures is held by a maximum of only one thread at a time.
	(a)	monitor lock, intrinsic lock
	(b)	built-in lock, free lock
	(c)	mutual exclusion lock, synchronization lock
	(d)	None of the above
7.	exclus	a thread is finished executing a statement block or method for which it had ive access, it can call Object method or to allow waiting u(s) to transition to the runnable state.
	(a)	notifyThread, notifyAllThreads
	(b)	wakeUpThread, wakeUpAllThreads
	(c)	notify, notifyAll
	(d)	None of the above
8.		thread should be used to perform all tasks that manipulate Swing ments since they are not thread safe.
	(a)	event-handling
	(b)	event-dispatch
	(c)	GUI-handling
	(d)	None of the above
9.	` /	is thrown when a String that is not in proper URL format is passed RL constructor.
	(a)	URLError
	(b)	MalformedURLException
	(c)	URLException
	(d)	IllformattedURLException
10.	attem	a ServerSocket is created, a server can listen (or block) indefinitely for an ot by a client to connect. This is accomplished with a call to the ServerSocket d
	(a)	connect
	(b)	block
	(c)	accept
	(d)	listen

11.	A(n) solved	is thrown when a server address indicated by a client cannot be re-
	(a)	ConnectionException
	(b)	ServerException
	(c)	MalformedURLException
	(d)	UnknownHostException
12.	storin	at are typically used to increase the efficiency of an application by g large amounts of data locally so that the data can be transmitted over the rk less frequently.
	(a)	objects
	(b)	broadcasters
	(c)	buffers
	(d)	None of the above
13.	The I	P address 127.0.0.1 is also known as
	(a)	localhost
	(b)	remotehost
	(c)	localserver
	(d)	remoteserver
14.	-	ying a port that is already in use or specifying an invalid port number when a ServerSocket reuslts in a
	(a)	BindException
	(b)	PortInUseException
	(c)	PortException
	(d)	ConnectionException
15.	15. In order to be able to send and receive messages in parallel over a network connection, a program must use thread(s) of execution.	
	(a)	one
	(b)	two
	(c)	three
	(d)	four

16.	What	API do Java programs use to communicate with databases?
	(a)	DBMS
	(b)	JDBC
	(c)	RDBMS
	(d)	Database
17.	Α	can be run to obtain data from a table in a database.
	(a)	select
	(b)	query
	(c)	get
	(d)	None of the above
18.		is the name of the package that contains the interfaces for the API that Java o communicate with databases?
	(a)	java.jdbc
	(b)	javax.jdbc
	(c)	java.sql
	(d)	java.sql.jdbc
19.		exception is thrown if the class loader cannot locate an appropriate driver class meet to a database?
	(a)	NoSuchClassException
	(b)	ClassCastException
	(c)	ClassNotFoundException
	(d)	IllegalClassException
20.	When	a ResultSet is first returned, its cursor is positioned
	(a)	before the first row
	(b)	at the first row
	(c)	at the last row
	(d)	after the last row
21.		n 4.0 of the API that Java uses to communicate with databases supports, so that it is not necessary to manually load the database driver before ing a database.
	(a)	automatic driver downloading
	(b)	automatic driver creation
	(c)	automatic driver discovery
	(d)	None of the above

22.	A UR	I which specifies a document location is called a(n)
	(a)	address
	(b)	Uniform Resource Locator (URL)
	(c)	location
	(d)	None of the above
23.	A Sta	atement object's method returns a ResultSet object.
	(a)	executeUpdate
	(b)	executeQuery
	(c)	execute
	(d)	None of the above
24.	Three	e typical tiers of a web application are the
	(a)	user interface, business logic, and information tiers
	(b)	browser, server, and information tiers
	(c)	client, middle, and top tiers
	(d)	None of the above
25.	Which	h of the following statements is true?
	(a)	Servlets extend a server's functionality by allowing the server to generate dynamic content.
	(b)	Servlets extend a client's functionality by allowing the web browser to generate dynamic content.
	(c)	Neither of the above
	(d)	Both of the above
26.	Which	h of the following statements is true?
	(a)	Servlets are an extension of JavaServer Pages (JSP) technology.
	(b)	JavaServer Pages (JSP) are an extension of Servlet technology.
	(c)	Neither of the above
	(d)	Both of the above
27.		erver Faces (JSF) is a that simplifies the design of an application's nterface and helps to separate the application's presentation from its business
	(a)	database application framework
	(b)	desktop application framework
	(c)	web application framework
	(d)	None of the above

28.	Tracki	ng individual clients as they visit a website is know as	
	(a)	session tracking	
	(b)	client tracking	
	(c)	personalizing	
	(d)	stalking	
29.	A cool	xie is	
	(a)	something you eat	
	(b)	a piece of data that maintains information about a client during and possibly between browser sessions	
	(c)	a piece of data that maintains information about all the servers that a client visits	
	(d)	None of the above	
30.	What method call will cause the currently executing thread to cease execution for a period of one second?		
	(a)	Thread.cease(1000);	
	(b)	Thread.halt(1000);	
	(c)	Thread.pause(1000);	
	(d)	Thread.sleep(1000);	
31.		rotocol that web browsers use to communicate with servers on the internet is	
	(a)	ASP	
	(b)	HTML	
	(c)	HTTP	
	(d)	PHP	
32.	Which tool can be used to run scripts or interactive queries against a Java DB (Apache Derby) database?		
	(a)	dblook	
	(b)	ij	
	(c)	sysinfo	
	(d)	None of the above	

33.	The _ (JSP)	servlet container was used in class for Servlet and JavaServer Page development.
	(a)	GlassFish
	(b)	JBoss
	(c)	Tomcat
	(d)	WebSphere
34.		eters which are passed to a servlet from an XHTML form using POST can be ed from the argument of type of the doPost method.
	(a)	HttpServlet
	(b)	HttpServletContent
	(c)	HttpServletRequest
	(d)	HttpServletResponse
35.	Which	is not a convention that a JavaBean must follow?
	(a)	must have a zero-argument constructor
	(b)	instance variables must be private
	(c)	fields must be accessible by properly named getter and setter methods
	(d)	must implement the Beanable interface
36.	Which	of the following steps is required to begin developing Android applications.
	(a)	register for an account at the Android Market
	(b)	download and install the Android SDK
	(c)	purchase an Android development phone
	(d)	create a provisioning profile
37.		plugin for the Eclipse IDE provides a powerful, integrated environment ch to build Android appilcations.
	(a)	ADT
	(b)	AVD
	(c)	POI
	(d)	SDK
38.	Andro	id is based upon the Java implementation.
	(a)	Apache Harmony
	(b)	GNU Classpath
	(c)	Java ME
	(d)	OpenJDK

39.	The _ Office	API may be used to read, write, and modify Excel spreadsheets in the Open XML (.xlsx) format directly from Java using the XSSFWorkbook class.
	(a)	Apache POI
	(b)	Java .NET
	(c)	JExcel (jxl)
	(d)	None of the above
40.		API may be used to create and modify Portable Document Format ) files directly from Java.
	(a)	Apache PDFBox
	(b)	iText
	(c)	PJX
	(d)	All of the above

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  - (c) PJX
  - (d) All of the above